

WHAT IS CLAIMED IS:

1. A chuck for an annular core bit (1) having an inner thread (2), comprising a motor-driven rotatable spindle (4) having a threaded support (5) cooperating with the inner thread (2) for supporting the annular core bit (1), and an axial stop flange (6); a stop member (7) associated with the axial stop flange (6), provided at a working tool side of the axial stop flange (6), axially connectable with the axial stop flange (6) under compressive strain, and axially displaceable relative thereto, within predetermined limits, for replaceably securing the annular core bit (1); displaceable, within predetermined limits, locking wedge means (9) for axially connecting the stop member (7) with the axial stop flange (6) under compressive strain; and a manually actuatable, displaceable release member (10) for displacing the locking wedge means (9) between a position in which the locking wedge means (9) axially connects the stop member (7) and the axial stop flange (6) under compressive strain, and a position in which the stop member (7) is axially displaceable relative to the axial stop flange (6)

2. A chuck according to Claim 1, wherein the locking wedge means (9) is formed as annular wedge means tapering radially inwardly.

3. A chuck according to Claim 1, wherein the release member (10) is formed as a manually rotatable, accessible from outside, stop ring having a guide

profile (14) spaced from the locking wedge means (9) by two different distances corresponding to the two positions of the locking wedge means (9).

4. A chuck according to Claim 1, further comprising displaceable stop bodies (11) provided between the release member (10) and the locking wedge means (9).

5. A chuck according to Claim 4, further comprising spring means (15) for pre-loading the stop bodies (11) and for automatically axially displacing, via the locking wedge means (9), the stop member (7) away from the axial stop flange (6).

6. A chuck according to Claim 1, further comprising a snap ring (12) provided at a working tool side of the stop member (7) and securable to the work spindle (4) for limiting axial displacement of the stop member (7).

7. A chuck according to Claim 1, wherein the stop member (7) is formed as a deflection-resistant stop ring provided, on a working tool side thereof with an axial flange surface (8) and, on a power tool side thereof with an annular wedge surface (7a) formed as a result of a thickness thereof increasing radially inwardly.

8. A chuck according to Claim 1, wherein the axial stop flange (6) has, at a working tool side thereof, an annular wedge surface (6a) formed as a result of a stop flange thickness increasing radially inwardly.

9. A chuck according to Claim 1, further comprising annular sealing rings (13) provided, respectively, between the axial stop flange (6), the release member (10), and the stop member (7) and located in respective sealing grooves.